

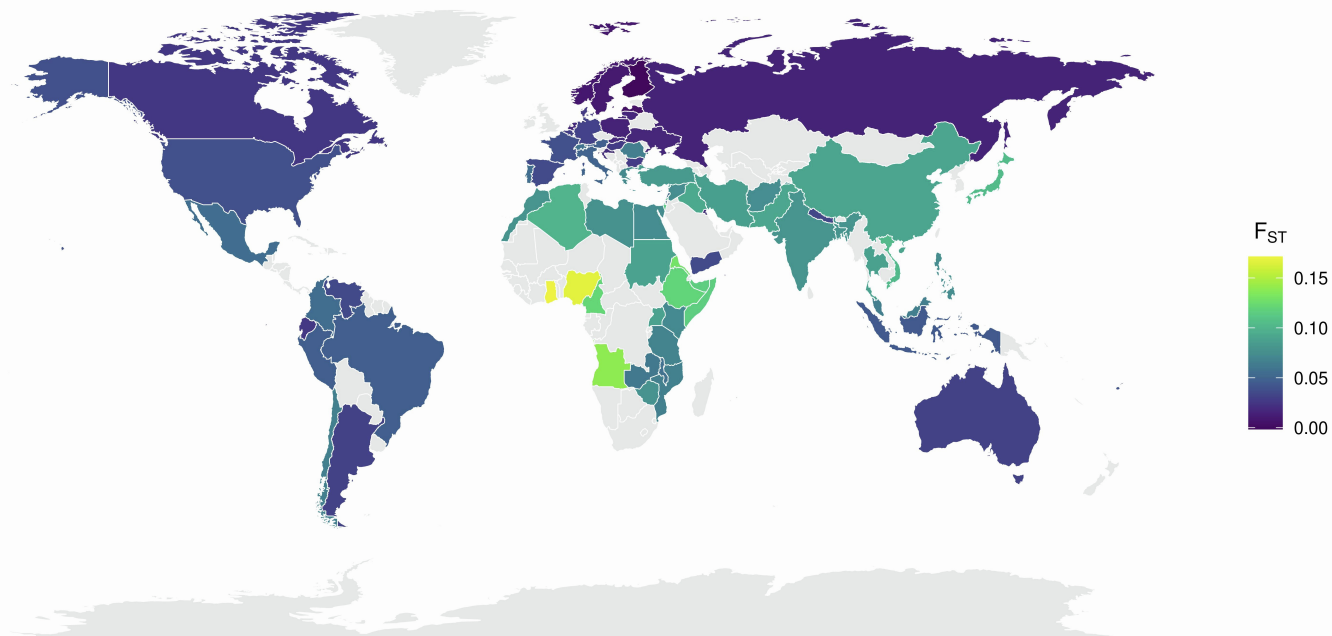
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**Supplemental information**

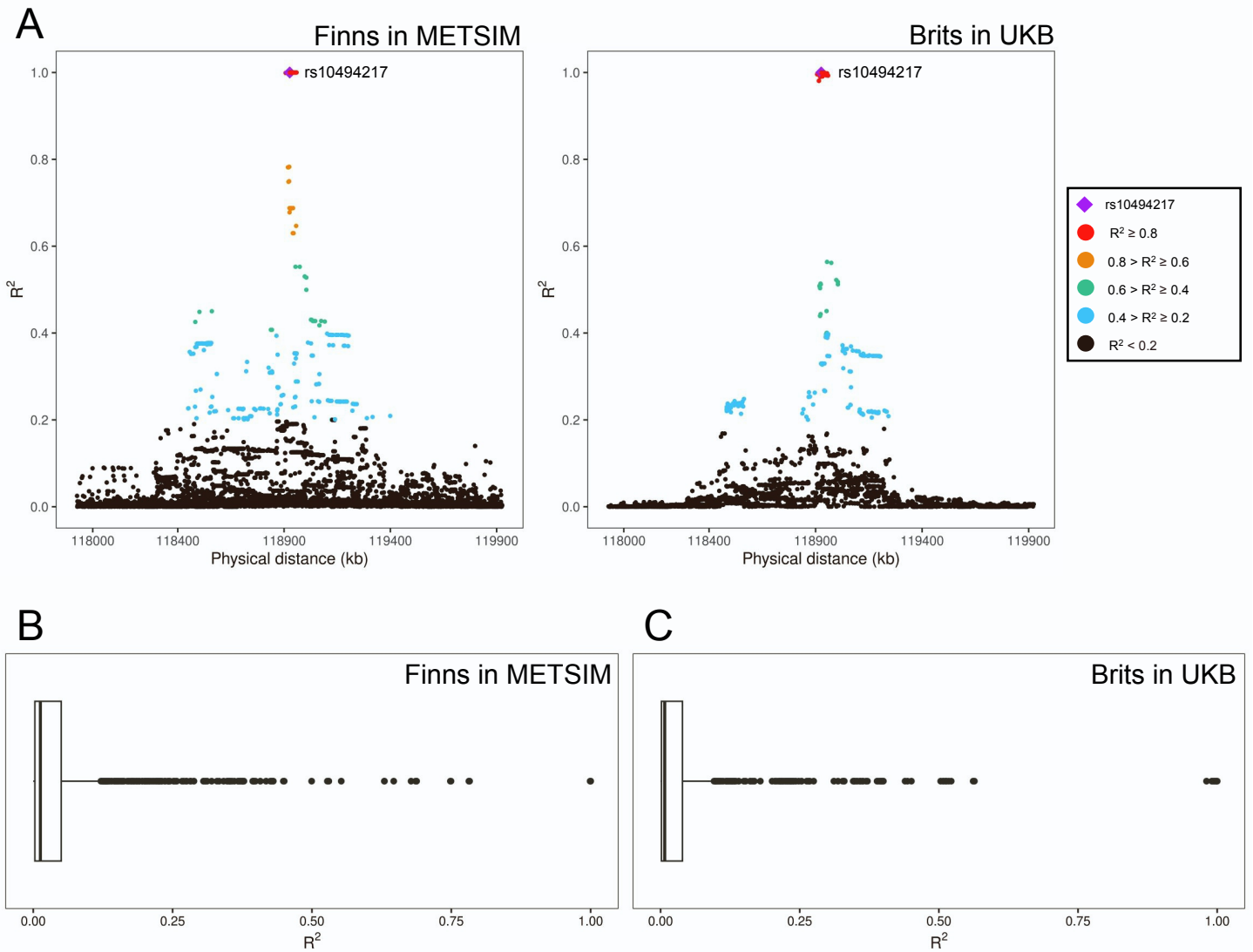
**An abdominal obesity missense variant in the  
adipocyte thermogenesis gene *TBX15* is implicated  
in adaptation to cold in Finns**

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## Supplemental Figures



**Figure S1. Increased  $F_{ST}$  values indicate differences in allele frequency between Finns and populations closer to the equator.**  $F_{ST}$ , fixation index, of rs10494217 between the Finns in METSIM ( $n=6,738$ ) and the populations in UKB with  $n>30$ .



**Figure S2. Linkage disequilibrium (LD) between rs10494217 and nearby SNPs differs between the Finns and Brits.** LD was calculated for all SNPs residing within 1 Mb on each side of rs10494217. LD was calculated using the unrelated Finns from METSIM ( $n=6,738$ ) and Brits from the UK Biobank (UKB) ( $n=6,738$ ). A) LD is shown for 1 Mb on each side of rs10494217 for the Finns from METSIM and Brits from UKB. Boxplot of the LD between rs10494217 and the SNPs within 1 Mb of rs10494217 on either side for B) the Finns from METSIM and C) the Brits from UKB. The  $P$  for the difference in LD of rs10494217 and the SNPs extending 1 Mb on each side of rs10494217 between the Finns and Brits is  $1.31 \times 10^{-41}$ , with the stronger LD observed in the Finns.